What is claimed is:

1. A wireless packetization method in a radio transmitting/receiving system for transmitting and/or receiving multimedia data in a wireless environment, comprising the steps of:

dividing multimedia data-related header information into one portion and a plurality of portions, respectively; and

adding error checking or protection codes to each of the divided header information.

2. The wireless packetization method according to claim 1, wherein the error checking or protection codes are cyclic redundancy codes (CRC).

3. A wireless packetization method in a radio transmitting/receiving system for transmitting and/or receiving multimedia data in a wireless environment, comprising the steps of:

adding a length field and a length indicator field, wherein the length field indicates the length of data in a data region and the length indicator field identifies the length of the length field on a multiplex (MUX) layer where the multimedia data are multiplexed into predetermined units of header information.

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4.     A    wireless    packetization    method    in    a    radio transmitting/receiving system for transmitting and/or receiving multimedia data in a wireless environment, comprising the steps of:

adding a length field and a length indicator field, wherein the length

5     field indicates the length of data in a data region and the length indicator field identifies the length of the length field on a multiplex (MUX) layer where the multimedia data are multiplexed into predetermined units of header information; and

forming a predetermined protocol frame by adding error checking or

10     protection codes to both the length field and the length indicator field.

5.     The wireless packetization method according to claim 4, wherein the error protection codes comprising:

a first error protection code for error-protecting the length indicator field in the header information; and

5            a second error protection code for error-protecting the length field.

6.     The method for transmitting a wireless packet according to claim 5, wherein the first error protection code and the second error protection code are comprised of 4 bits or 8 bits for controlling an error of the header-divided region.

7.     A method for decoding a wireless packet by receiving a packet in which error protection codes are added to one portion and a plurality of

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portions of header information, respectively, on a wireless multiplex (MUX) sub-layer in a multimedia data transmitting system, comprising the steps of:

5    discarding the previous frame in a case where there is some error and checking a second error protection code added to the next header information in a case where there is no error, when a first error protection code added to the initial header information is checked; and

transmitting data to an upper layer in a case where there is no error and

10   transmitting a blank data block to the upper layer in a case where there is some error, when the second error protection code is checked.

8.    A wireless packetization apparatus in a radio transmitting apparatus for transmitting multimedia data on a multiplex (MUX) sub-layer in a wireless environment, comprising:

a header information-creating unit for creating a first field and a

5    second field, wherein the first field indicates the numbers of potential bits of the length of data and the second field indicates the length of the data and for adding error protection codes to each portion of header information which are divided into one portion and a plurality of portions, respectively; and

a frame-forming unit for forming a frame having the unit of protocol

10   data by multiplexing the header information formed in the header information-creating unit and the data.

9.    An apparatus for receiving a wireless packet in an apparatus for decoding data by receiving a packet in which error protection codes are added

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to one portion and a plurality of portions of header information, respectively, on a wireless multiplex (MUX) sub-layer in a multimedia data transmitting

5     system, comprising:

a checking means for discarding a previous frame in a case where there is some error and checking a second error protection code added to the next header information in a case where there is no error, when a first error protection code added to the initial header information is checked; and

10     a transmitting means for transmitting data to an upper layer in a case where there is no error and transmitting a blank data block to the upper layer in a case where there is some error, when the second error protection code is checked.